Appendix I

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; PicBasic Pro Compiler 2.43, (c) 1998, 2002 microEngineering Labs, Inc. All Rights Reserved.
PM_USED               EQU    1

        INCLUDE       "16F819.INC"


; Define statements.
#define         CHAR_PACING         1000
#define         CHAR_PACING         1000
#define         INTHAND             ISERV

RAM_START             EQU    00020h
RAM_END               EQU    0016Fh
RAM_BANKS             EQU    00003h
BANK0_START           EQU    00020h
BANK0_END             EQU    0007Fh
BANK1_START           EQU    000A0h
BANK1_END             EQU    000EFh
BANK2_START           EQU    00120h
BANK2_END             EQU    0016Fh
EEPROM_START          EQU    02100h
EEPROM_END            EQU    021FFh


wsave                 EQU    RAM_START + 000h
_CCPX                 EQU    RAM_START + 001h
_OTIME                EQU    RAM_START + 003h
R0                    EQU    RAM_START + 005h
R1                    EQU    RAM_START + 007h
R2                    EQU    RAM_START + 009h
R3                    EQU    RAM_START + 00Bh
R4                    EQU    RAM_START + 00Dh
R5                    EQU    RAM_START + 00Fh
R6                    EQU    RAM_START + 011h
R7                    EQU    RAM_START + 013h
R8                    EQU    RAM_START + 015h
T1                    EQU    RAM_START + 017h
_XTEMP                EQU    RAM_START + 019h
_ACNT                 EQU    RAM_START + 01Bh
FLAGS                 EQU    RAM_START + 01Ch
GOP                   EQU    RAM_START + 01Dh
psave                 EQU    RAM_START + 01Eh
RM1                   EQU    RAM_START + 01Fh
RM2                   EQU    RAM_START + 020h
RR1                   EQU    RAM_START + 021h
RR2                   EQU    RAM_START + 022h
ssave                 EQU    RAM_START + 023h
_AMP                  EQU    RAM_START + 024h
_CURRENT              EQU    RAM_START + 026h
_L20                  EQU    RAM_START + 028h
_LCURRENT             EQU    RAM_START + 02Ah
_POTAVG               EQU    RAM_START + 02Ch
_PVOLT                EQU    RAM_START + 02Eh
_VIDLE                EQU    RAM_START + 030h
_VMAX                 EQU    RAM_START + 032h
_VOLTS                EQU    RAM_START + 034h
_VOUT                 EQU    RAM_START + 036h
_X2                   EQU    RAM_START + 038h
_Y2                   EQU    RAM_START + 03Ah
_Z2                   EQU    RAM_START + 03Ch
_ALOOP                EQU    RAM_START + 03Eh
_BCNT                 EQU    RAM_START + 03Fh
_CCNT                 EQU    RAM_START + 040h
_ELOOP                EQU    RAM_START + 041h
_LCNT                 EQU    RAM_START + 042h
_MISCF                EQU    RAM_START + 043h
_N                    EQU    RAM_START + 044h
_PCNT                 EQU    RAM_START + 045h
_PCNT1                EQU    RAM_START + 046h
_X                    EQU    RAM_START + 047h
_Y                    EQU    RAM_START + 048h
```